ELECTRICAL WEST

Published by McGraw-Hill Company of California
San Francisco

Index to Volume 108

JANUARY-JUNE, 1952

Illustrated articles are designated by an (*)
Editorials are designated by a (†)

Pages by Issues

(NOTE: Owing to the method of pagination in this volume, it is necessary to use an abbreviation before the page number of each item to indicate the month in which it appeared.)

January **Ja126**
February **F178**
March **Ma136**
April I **AI-162**
April II **AII-92**
May **M140**
June **J178**

A

Appliances:
All Serviced by Public Service Co. of Colorado, by John E. Loiseau, *J110.
Appliances Need Blood, †J115.
None Serviced by Portland General Electric, by James H. Polhemus, *J111.
Preview, *AI-117.
Service and Repair Parts, Directory of, AII-77.
Associations:
American Power Dispatchers Assn. Officers, Ja104.
American Public Power Assn. Convention, *J129.
B.C. Assn. of Professional Engineers Officers, Ma132.
Bureau of Home Appliances of San Diego County:
Contractors' Division Kickoff Dinner, *Ja74.
Winter Conference, AI-112.
California Municipal Utility Assn. Northern California Members Meet in Sacramento, AI-128.
Contractors:
Idaho State Assn.:
Annual Meeting at Boise, Ja98.
Officers, *Ja98.
National Assn.:
California Central Coast Chapter Officers, AI-134.
Cascade Division Formed, *Ja104.
District 6 Annual Meeting:
At Santa Barbara, Ma106.
Report of, *J126.
Northern California Chapter Officers, Ma106.
Oregon Columbia Chapter Officers, F141.
Sacramento Valley Chapter Officers, AI-134.
San Diego Chapter Officers, *AI-130.
San Francisco Assn. Officers, *Ma106.
Society of Washington:
Seattle Convention and Exposition, Ja102.
Shortens Name, J131.
Vancouver Assn. Officers, M112.
Electric Club of Oregon Officers, *Ma110.
Electric Club of San Francisco Officers, AI-130.
Electric League of Los Angeles Officers, *Ma110.
Illuminating Engineering Society:
San Francisco, Victoria Conferences Enlighten the West, *AI-103.
South Pacific Regional Technical Conference Dates Set, F141.
Intermountain Electrical Assn.:
Chapter Officers, AI-130.
Officers, *Ma110.
International Assn. of Electrical Inspectors:
Chapter Date Changes, AI-130.
Chapters Schedule Peterson Participation, Ma106.
Hawaii Chapter Officers, *J176.
More Meetings Added to Peterson Itinerary, M112.
Northern California Chapter Officers, Ma106.
Joint Committee for the Protection of Underground Structures Officers, AI-154.
National Assn. of Electrical Distributors Plans Spring Convention, AI-130.
National Committee for Utilities Radio Annual Meeting, J131.
National Industrial Service Assn. Los Angeles Chapter Officers, Ja98.
Northern California Electrical Bureau:
Officers, AI-111.
Plans "Electrical Living Month," AI-111.
Northwest Electric Light & Power Assn.:
Business Development Section Meeting, *J116.
Engineering and Operating Section Meeting, *J122.
Meeting Dates for Four Sections Set, Ma110.
Pacific Coast Electrical Assn.:
Administrative Services Section Plans Meeting With PCGA, Ja108.
Business Development Section:
Conducts Workshops, *J132.
Will Meet in Groups, Ja108.
Committee Members, Ja108.
Convention:
Panorama of, J121.
Set for June, Ja108.
Engineering and Operating Conference, *AI-118.
Joint Meet with PCGA, *M106.
Operating Economics Section Will Meet in Fresno, Ja108.
Second Hawaiian Conference, *Ja92.
Rocky Mountain Electrical League:
Spring Conference Plans, AI-130.
Spring Meeting, *M103.
Society of American Military Engineers Portland Post Officers, M135.
Washington State Industry Meeting:
Planned, F141.
Postponed, AI-130.
Western League Managers Meet, *Ma110.
Awards:
Freedoms Foundation Award Goes to PS Co. of Colorado, *M138.
NISA Sets National Contest Closing Date, Ja98.
PP&L Receives Western Regional Award as Best Junior Achievement Sponsor, *M138.
Sacramento Utility Wins Report Contest, J164.
So. Calif. Financial Writers' Certificate of Merit Given to W. C. Mullendore, *M138.
Western Companies Win Advertising Awards, J164.

B

Books, Reviewed:
Ayres & S "Energy Sources—The Wealth of the World," AI-30.
Carr "Alcoa: An American Enterprise," Ma36.
Christie "Electrical Engineering," AI-30.
Drew "How To Pass Radio License Examinations," AI-30.
Emeleus "The Conduction of Electricity Through Gases, 3d Ed.," J40.
Farrington "Fundamentals of Automatic Control," AI-30.
Harris "Electrical Measurements," J40.
Henney & R "Principles of Radio, 6th Ed.," J40.
IES Lighting Handbook, 2nd Ed., J40.
Jackson "High Frequency Transmission Lines, 3d Ed.," J40.
Kaufmann & F "D-C Power Systems for Aircraft," AI-30.
Kron "Equivalent Circuits of Electric Machinery," Ma36.
LePage & S "General Network Analysis," Ma36.
Lovell "Generating Stations," Ma36.
Mueller "Alternating-Current Machines," AI-30.
Schelkunoff & F "Antennas: Theory and Practice," J40.
Sokolnikoff "Tensor Analysis: Theory and Application," Ma36.
Bulletin News: Ja52, F72, Ma64, AI-72, AII-60, M60, J76.
Business: See "Industry."

C

Clubs: See "Associations."
Communication:
Radio Pays Out in Nine Months, Mobile, by R. H. Miller, *AI-84.
Contracting (See also "Associations"):
How to Promote, *Ja74.
News Letter: Ja79, F137, Ma93, AI-93, M83, J137.
Seattle's Code Takes Schooling, J131.
Conventions:
To Each His Own, †J114.
Cover Photos:
B.C. Electric Executives Inspecting 345-Kv Line Assembly, M.
Conduit at Pittsburg U.S. Steel Plant, Ma.
Davis Dam Powerhouse, F.
Mobile Radio Gets Quick Action, AI.
School Lighting Demonstration Kit, J.
Truck-Mounted Crane for S.F. Bay Bridge Servicing, Ja.

D

Dams:
Albeni Falls Powerhouse Contract Awarded, M130.
Chief Joseph:
Bids Will Be Opened in March, F152.
Change in Plans Will Save Time, Ma114.
Contracts Let, M130.
Colorado-Big Thompson Project Major Power Features Award Made, J166.
Cowlitz Development:
Court Action Seen for, F150.
Court Action Transferred, AI-136.
Description of, by J. Frank Ward, *AI-81.
Fish Problem of, by J. Frank Ward, *AI-81.
State Must Defend Both Sides, Ja110.
Tacoma Brings Suit, Ma112.
Indian Tribes Ask Portion of Revenue, F164.
Kenney Dam Christening Ceremonies Held, J156.
Libby Bids Called, F152.
McNary Bids for Nine Transformers Called for Opening, F160.
New Columbia River Site Studied, Ma122.
Palisades Construction Contract Awarded, J170.
Pelton:
Attempt Made to Stop Construction, M116.
FPC Denies Request for Rehearing, AI-136.
FPC Grants License for, Ja110.
Held Necessary to National Defense, F150.
Test Drilling Contract Let, Ma118.
Ross Appropriation to Complete Construction Approved, J168.
The Dalles:
Ceremonies Mark Start of, AI-136.
Design Changes Made; Bids called, Ja112.
Distribution & Transmission:
Aluminum Secondary Aerial Cable, Further Experiment in, *AI-88.
Bonneville Will Transmit at 300-345 Kv, by S. E. Schultz and R. S. Gens, *Ma80.
B.C. Electric Pioneers 345-Kv Transmission, by T. Ingledow, *M71.
Higher Transmission Voltages, by E. C. Starr, *J106.
Leadership Regained, †Ja90.
Modern Service Center of Portland GE Co., *AI-92.
Owens Gorge Line Portable Transit-Mix Batching Centers, by J. F. Mariscal, *AI-90.
Preformed Rods Shunt Defective Splices on So. Cal. Ed. Co. System, by Jordan Lummis, *Ja66.

SMUD Converts to 69-Kv Subtransmission, by Charles R. Day, *Ma77.
Series Capacitors Equalize Line Loading in BPA System, by A. Dovjikov, *Ja65.
Tree Trimming, Philosophical Approach to, by Frank G. Mackaness, *Ma71.

E

Edison—Embodiment of American Ideals, Ma66.
Editorials:
American P&L Stays American, †AI-108.
Another Protest Against Bigness, †J114.
Appliances Need Blood, †J115.
Back to Merchandising?, †Ma89.
Better Communications, †AI-108.
Building Plant—or People?, †AI-109.
Bureaucratic Economics, †Ma88.
D-C Testing, †M92.
Dog in the Manger, †F142.
Force for Salesmanship, †M93.
Happy Birthday, †J115.
Higher Voltages Are Here, †M92.
How to Help Britain . . . and Ourselves McGraw-Hill Series), †F161.
In Case of Disaster, †Ja90.
It's An Ill Wind, †Ja91.
Leadership Regained, †Ja90.
Liberty and Freedom, by George C. Tenney, †J87.
Next in the Tax Line, †AI-108.
1952—Assets and Liabilities, †Ja90.
Playing With Jupiter Pluvius, †Ma88.
Quotations:
Benson, George S., Dr. (government payroll), †F143.
Huley, D. A. (socialism), †Ja91.
Lipscomb, Ed (freedom), †Ma89.
Snodgrass, George (dealing with management), †AI-109
Real Professional Responsibility, †M92.
Speaking for the Engineer, †F142.
"The Public Be Damned," †Ma88.
To Each His Own, †J114.
You Can Say That Again:
Mill, John Stuart (liberty), †J115.
Roach, T. E. (socialism and fate of utilities), †M93.
What Makes It a Farm?, †F143.
Who Will Be Next?, †M92.
Electra's Husband:
But There Are Two Kinds of Service, F80.
Edison—Embodiment of American Ideals, Ma66.
Has Industry Outgrown Public Understanding?, Ja56.
In Union There Are No Sales, M64.
More Engeneers, Less Dependents, J84.
Taxes, Taxes and Taxes, AI-78.
Engineering:
More Engineers, Less Dependents, J84.
Real Professional Responsibility, †M92.
Speaking for the Engineer, †F142.

F

Fish:
B.C. Begins Experiments With Salmon Small Fry, AI-150.
Casualty Rate Studies in Washington, AI-150.
Fish and Power Can Live Together (Cowlitz River), by J. Frank Ward, *AI-81.
Getting Fish Over High Dams To Be Studied, J160.
Forecasting:
West Will Measure Up, *F85.

G

Generation:
Bonneville Power Administration:
Budget Request, Ma124.
Fiscal Year Revenues, AI-152.
Program Calls for Expansion, J156.
Dog in the Manger, †F142.
Feather River Project:
California Asks License for, Ma114.
Funds Granted to Study Project, M120.
PG&E Asks for Dams, J148.
Folsom Plant Bids Called, Ma124.
Folsom Power House, Artist's View of, *AI-91.
Hydro Power Source, Last Great, by Raymond Matthew, *J98.
It's As Ill Wind, †Ja91.
Kings River:
Development by Government Proposed, AI-143.
PG and E Given License, Ja110.
PG and E Adds Automatic, Supervisory Control, by Frank I. Lawson, *Ja62.
Pit River Extension Plans Announced, M120.
Power Shortage Threatens in Nevada, Ja110.
Steam Plants:
Bird Plant Built for $87 per Kw, by A. B. Martin, *AI-86.
San Diego G & E Building Near Carlsbad, F160.
Work Starts on B.C. Electric's Dal Grauer Sub, F160.
Government:
Another Protest Against Bigness, †J114.
Who Will Be Next?, †M92.

H

Heat Pump Experience in Sacramento, *AI-97.
Human Relations:
Building Plant—or People?, †AI-109.

I

Industry:
Amplidyne Headrig Drive Displaces Steam at Weyerhaeuser Mill, by Ad Arnst, *Ma84.
Flexible System for California General Inc., *MA86.
Has Industry Outgrown Public Understanding?, Ja56.
Keep Ahead of Public Demand, by Emory D. Sherwin, *J88.
McCulloch Motors Rated Fine Electrified Plant, *AI-106.
1951 Record, 1952 Outlook, F87.
1952—Assets and Liabilities, †Ja90.
No Substitute for Service, by A. S. Cummins, *J91.
Packaged or Piecemeal Equipment for Industrial Distribution Systems?, by R. L. Gooch, *Ja72.
Sacramento Insurance Company Building Adapted to Material Shortages, *M87.
Service Is Our Business, by J. H. Jewell, Ja59.
Tell and Sell to Survive, by James W. Cryder, *J90.
Insulation:
D-C Testing, †M92.
Selecting for Control Cables, by E. E. McIlveen, M80.
Isotopes Used to Measure Snow Depth, *Ja70.

J

Junior Achievement:
Portland Company Completes Year of Operation, *Ja61.

L

Labor:
Labor-Management Conference in Arizona, F152.
NLRB Election Results at PG&E, J160.
Letters to the Editor:
Batchelier, Willis T., Ja28.
McFadden, R. C,. Ma44.
Lighting:
Higher Voltage Circuits for Industrial-Type Buildings, by Harold L. Gerber, M90.
Luminaire for Intersection Lighting, by F. M. Carter, *M88.
Newer Sequence Start Ballasts Discussed, by A. B. Smedley, Ja76.

M

Machine Windings, Diagnosis of, *M79.
Maintenance:
But There Are Two Kinds of Service, F80.
Diagnosis of Machine Windings Without Killing the Patient, *M79.
Directory of Appliance Service and Repair Parts, AII-77.
Ladder Services 25% More Lamps, *Ja64.
Manufacturers:
Directory of, AII-2.
Directory of Representatives, AII-72.
Merchandising:
Back to Merchandising?, †Ma89.
Buy in the West, Where To, AII-54.
First "Normal" Market Since the War, *Ma97.
Force for Salesmanship, †M93.
How to Sell CLM Lamps, *AI-110.
In Union There Are No Sales, M64.
Sales Guide News Letter: Ja83, F133, Ma99, AI-113, M99, J139.
$3 Million Per Day Market in '52, *F120.
Two Views of the Future, AI-112.
Warming Up for the Elections, *M96.

P

Power, The Struggle for, by W. C. Mullendore, *J102.
Product News: *Ja22, *F46, *Ma48, *AI-36, *M36, *J46.

R

Radio: See "Communication."
Rainmaking:
Playing With Jupiter Pluvius, †Ma88.
Rates:
New Residential Lighting Rates for B.C. Electric Now Effective, F160, Ma118.
Pacific Gas & Electric Co.:
GSA Opposes Increase, M129.
Increase Taken Under Submission, Ma124.
Raise Granted Central Arizona Light & Power, Ja116.
Seattle City Light:
Light Rate Reduction Recommended, M129.
New Heating Rates To Be Enforced, Ja116.
New Schedule Approved, J146.
Reclamation:
Bureaucratic Economics, †Ma88.
CVP Electrical Work Contracts Awarded, J160.
Happy Birthday, †J115.
Kings River:
Conservation District Approved, F152.
May Be Developed, *Ma74.
Nation's Nastiest Water Feud, by Frank J. Taylor, *J93.
Trinity River Report Reviewed, J148.
Rubber Compounds and Thermoplastics as Electric Cable Insulation, Synthetic, by E. W. Davis and G. J. Crowdes, M74.
Runoff:
Experts Make Statement on California Flood Situation, J160.
Isotopes Used to Measure Snow Depth, *Ja70.
Warn Operators of Commodity Change in Washington Pipeline, Ja71.
Water, Water Everywhere, by R. A. Work and Clyde E. Houston, *M67.
Rural:
CREA Schedules Annual Conference, Ja119.
What Makes It a Farm?, F143.

S

Shows:
Bureau of Home Appliances of San Diego County:
14th Christmas Exposition Tops Records, *Ja88.
Spring Fair Has New Idea, *M94.
EMEA of Los Angeles Sixth Annual Industrial Electrical Show, *M98.
NCEB Exposition and Home Show Dates Set, AI-111.
Seen at February Sales Events, *Ma104.
Special Issues:
Annual Review and Forecast, F.
Convention-in-Print, 20th Annual, J.
Manufacturers' Directory, AII.
Stores Costs Cut by Modern Methods by Cent. Ariz. Lt. & Pwr. Co., by Sherman R. Payne, *Ja68.
Storm—1952 Version, by Harry S. Furlong, *Ma90.

T

Taxes, Taxes and Taxes, AI-78.
Television:
Los Angeles Cleans Up Its Advertising, Ja87.
Warming Up for the Elections, *M96.
Trade Notes: *Ja120, F174, Ma126, *AI-158, *M132, *7174.
Transmission: See "Distribution and Transmission."
Transportation:
"The Public Be Damned," †Ma88.

U

Utilities:
- Arizona Merger Completed, Ma112.
- Better Communications, †AI-108.
- Budgets Top Half Billion Mark, *F88.
- Financial Analysts Hear Utility Men, J168.
- In Case of Disaster, †Ja90.
- Los Angeles Department of Water & Power Awards Generator Contract, Ma116.
- Next in the Tax Line, †AI-108.
- Pacific Gas and Electric Co.:
  - Jay Gold Dies From Work Exhaustion, *F146.
- Public Service Co. of Colorado May Supply Atomic Plant, Ja116.
- Puget Sound Power & Light Co.:
  - Districts Make Plans for Purchase, AI-150.
  - PUD Committee to Act in Purchase, F150.
  - Thurston County Approves Purchase Plan, Ja114.
- Washington Water Power Co. Sale:
  - Aller Files New Plan for, Ja110.
  - American P&L Stays American, AI-108.
  - American Will Distribute Stock, AI-136.
  - Court Asked to Dismiss Order, Ma112.
  - Court Blocks Hearings, F150.

W

Wiring (See also "Industrial"):
- Amp-Trap—New Current Limiting Device, *AI-98.
- New Process Welds Copper Conductors, *Ma82.
- Pressure Switch for Network Services, *Ma85.

Authors

A

Arnst, Al, "Amplidyne Headrig Drive Displaces Steam," *Ma84.

C

Carter, F. M., "New Luminaire for Intersection Lighting," *M88.

Crowdes, G. J., "Synthetic Rubber Compounds and Thermoplastics as Electric Cable Insulation," M74.

Cryder, James W., "Tell and Sell to Survive," *J90.

Cummins, A. S., "No Substitute for Service," *J90.

D

Davis, E. W., "Synthetic Rubber Compounds and Thermoplastics as Electric Cable Insulation," M74.

Day, Charles R., "SMUD Converts to 69-Kv Subtransmission," *Ma77.

Dovjikov, A., "Series Capacitors Equalize Line Loading," *Ja65.

F

Furlong, Harry S., "Storm—1952 Version," *Ma90.

G

Gens, R. S., "Bonneville Will Transmit at 300-345 Kv," *Ma80.

Gerber, Harold L., "Higher Voltage Lighting Circuits for Industrial-Type Buildings," M90.

Gooch, R. L., "Packaged or Piecemeal?," *Ja72.

H

Houston, Clyde E., "Water, Water Everywhere," *M67.

I

Ingledow, T., "B.C. Electric Pioneers 345-Kv Transmission," *M71.

J

Jewell, J. H., "Service Is Our Business," Ja59.

L

Lawson, Frank I., "New-Type Hydro Plant Automatic Control," *Ja62.

Loiseau, John E., "We Service All Appliances," *J110.

Lummis, Jordan, "Preformed Rods Shunt Defective Splices," *Ja66.

M

Mackaness, Frank G., "Tree Trimming Should Be on the Way Out," *Ma71.

Mariscal, J. F., "Portable Transit-Mix Batching Centers," *AI-90.

Martin, A. B., "Bird Steam Plant Built for $87 per Kw," *AI-86.

Matthew, Raymond, "Last Great Hydro Power Source," *J98.

McIlveen, E. E., "Selecting Insulations for Control Cables," M80.

Miller, R. H., "Mobile Radio Pays Out in Nine Months," *AI-84.

Mullendore, W. C., "The Struggle for Power," *J102.

P

Payne, Sherman R., "Stores Costs Cut by Modern Methods," *Ja68.

Polhemus, James H., "We Service No Appliances," *J111.

S

Schilling, A. X., PCEA Panorama, Ja108.

Schultz, S. E., "Bonneville Will Transmit at 300-345 Kv," *Ma80.

Sherwin, Emory D., "Keep Ahead of Public Demand," *J88.

Smedley, A. B., "Fluorescent Lamp Ballasts," Ja76.

Starr, E. C., "Higher Transmission Voltages," *J106.

T

Taylor, Frank J., "Nation's Nastiest Water Feud," *J93.

W

Ward J. Frank, "Fish and Power Can Live Together," *AI-81.

Work, R. A., "Water, Water Everywhere," *M67.

Obituaries

B

Benson, F. S. M136

C

Cleveland, Dr. Ernest Albert F172
Creim, Ben W. Ma132
Cundall, Malcolm Eddy F172

D

Douat, Louis AI-156

E

Eberhard, Jacob J. Ma132
Elwell, Frederick M137

F

Foote, David H. Ja123
Fuller, Lucius Beardsley M136

G

Gardett, Helmuth C. F172
Glosser, W. W. M136
Graham, Charles B. Ja123
Graham, Newton W. M136
Grey, Blaine D. M137

H

Haire, Arnold Edison M137
Hartwig, Sr., Gustave R. Ja123

J

Jacobs, Gaskil Ma132

K

Kessler, E. S. Ja123
Ketcham, Samuel H. F172

L

Lauer, E. W. M136
Lewis, George E. AI-156

M

MacDonald, James Edward M137
Miller, C. O. G. M136

N

Nemetz, Samuel A. M137

R

Rands, Harold A. F172

S

Slaughter, C. Dent M137
Smith, John Harrison M136
Smith, Nolan C. F172

V

von Hacht, Karl Henry F172

Personals

A

Andersen, Arthur A. *AI-154
Anderson, John S. M135, J172
Anderson, Theodore Ja123
Andrews, Everett D. Ma130

B

Baker, Jr., Clark M134
Bancroft, E. S. M134
Barber, Fred L. Ma130
Barton, Stanley B. M134
Beckett, E. J. Ja122
Bissell, C. A. F172
Blanchard, Paul A. M135, J172
Blankenburg, Carter *J172
Bogen, Elmer Ma130
Bosch, Frank A. *F169
Bourbonnaid, Telesphore L. Ma130
Boyle, John C. Ma132
Bradley, P. E. M134
Brenton, Walter J172
Brissenden, C. W. M135
Brugger, Andrew J. M135
Buchman, Louis Ma132

C

Cage, Albert AI-154
Carlson, Ernest M. AI-154
Challoner, George T. F170
Chase, Lowell V. J172
Christensen, K. C. *Ja122
Cochran, Robert B. M135
Collins, W. G. AI-154
Cunningham, Ernie Ma132

D

Dean, Eldon N. F170
Dinsley, Ted Ma132
Dominick, R. S. *J172
Douglas, L. R. *J172
Doyle, Franklin B. F170
Dreyer, Walter *Ja122
Duffy, E. J. M134

E

Elliott, C. M. *J172
Evans, James Moore Ma132

F

Flagg, George H. F169
Fleming, W. S. AI-154
Fraser, A. D. Ross AI-154

G

Gadsby, Charles C. Ja122
Gale, R. E. Ma130
Garman, Charles P. *Ma132
Gillespie, George A. Ma130, M135
Gordan, Wallace E. M135

H

Harman, Fred D. AI-154
Hauser, Kenneth D. M135
Heggenberger, Bill M135
Heikes, T. R. J172
Helgren, Ed *J172
Henkle, J. C. J172
Hoagland, Jackson M134
Horn, Herbert H. AI-154
Hubenthal, O. Bert F172
Hutchinson, J. H. M135, J172
Hutchinson, R. W. Ja123

J

James, Burr F172
Jeimbroni, Rosemary *Ma132
Johnson, Carl E. AI-154
Jones, C. P. *F172

K

Kanouse, E. L. F169
Keeney, William E. Ma132
Kingman, Jr., Henry S. Ma130

L

Lasher, Marshall M134
Laughlin, J. D. F169
L'Hommedieu, William P. Ja122
Lipscomb, Col. Thomas H. M135
Long, Howard F169
Long, Marion V. F169

M

Marlett, D. L. Ma130
Matthias, Col. F. T. M134
McAdam, J. C. M134
McMicken, A. C. M135
Millsap, Ralph H. *F169
Moore, H. R. J172
Morgan, Lyman D. Ja122
Moritz, E. A. *J172
Morris, Samuel B. *Ma132
Mullenbach, Charles F. AI-154
Murray, Hugh J. *F172

N

Nash, John C. M135
Nelson, Martin Ma130
Norton, J. J. M134
Notley, Charles K. AI-154

O

Oliver, John K. F172
Olmsted, E. G. F169
Olson, Axel O. AI-154
Owen, Whitney H. J172

P

Parmakian, John M136
Paul, Leslie AI-154
Pease, Eugene I. J172
Pelton, D. M. M135
Phillips, Ralph J. *AI-156
Price, Truman F172

R

Raver, Paul J. F169, Ma130
Roberts, Robert F. M134
Robinson, Joe *M134
Ross, W. *J172
Ross, William D. Ma132
Rowan, Joseph H. M135

S

Schindeldecker, Edward M. Ma130, M136
Schultz, Sol E. Ma130
Searles, Richard *J172
Shaw, Duncan *Ma132
Silverthorne, W. O. M135
Simpson, John L. F170
Smith, Hugh Ma132
Snead, H. C. AI-154
Starck, Frank *J172
Steele, I. C. Ja122
Straus, Michael *J172
Sullivan, George E. M135

T

Taylor, Wade H. F172
Thallon, Robert J172
Thomas, G. M. M134
Thompson, James Alden *F170
Towne, D. O. *J172

W

Waggoner, Ray M134
Walker, Leonard M135
Walters, Robert P. M135
Widell, C. E. F172
Williams, Arthur L. F169
Winter, I. A. M136
Wolters, W. F. *J172
Woodhead, E. A. J172

Profiles

B

Blackmar, Bill *F176
Bodley, D. C. *F176
Brown, Taylor *Ja124

C

Challoner, George T. *F176
Chamberlain, J. Clark *Ja124
Cox, Joseph H. *Ma134

D

Dahlstrom, Carrol A. *F176
deJonge, C. P. *Ja124
Doyle, Franklin B. *F176
DuBois, C. D. *Ma134

E

Evans, G. P. *AI-160

F

Fahlen, Jr., F. T. *J176

H

Hawaii Chapter, IAEI, Officers *J176
Hayes, N. A. *AI-160
Howard, Ethel S. *Ma134
Hubenthal, O. Bert *Ja124
Hutchinson, R. W. *Ja124

J

Jones, Bob *Ja124

K

Klauber, L. M. *AI-160

L

Larson, Roal *F176
Lawton, J. P. *AI-160
Linville, George *F176
Loiseau, John E. *M138

M

MacDonald, Mayor J. A. *AI-160
McGregor, Douglas B. *J176
McKee, Paul B. *M138
Millican, Dr. Robert A. *M138
Montgomery, George *Ma134
Mullendore, William C. *M138

N

Neuman, A. H. *F176
Newmarch, James E. *F176
Nicoll, Al H. *AI-160

P

Perkins, L. J. *Ja124
Poulson, Francis *F176

R

Reilly, William P. *J176
Rowe, Bob *F176

S

Sargent, Henry B. *AI-160
Scheid, Walter *F176
Sherwin, E. D. *AI-160
Sherwood, Matt *F176
Smith, Edgar W. *M138
Smith, Ralph *F176
Stein, Lewis A. *F176

T

Thompson, Joseph S. *F176
Turnbull, Ray W. *Ma134
Turner, Dan *Ja124

W

Walker, Clarence *Ja124
Weinstock, Herbert *M138
Wells, Kenneth D. *M138
Winter, Trudy *Ma134